

Response letter

Dear Editor:

We thank you very much for the comments for the paper ‘Ensemble-based estimation of sea-ice volume variations in the Baffin Bay’ submitted to *the Cryosphere*. We have made a minor revision according to your comments. The specific texts are added to clarify the standard deviations: *And we use one standard deviation (i.e., +/-number) among these ensemble members (i.e., SIV fluxes estimated from different sea ice thickness data sets and NSIDC SID) to show the uncertainties of flux estimates in this study* (please see the red texts in line 151-153, Page 5).

Qinghua Yang

On behalf of all the authors